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**Information technology — High  
efficiency coding and media delivery  
in heterogeneous environments —**

**Part 8:  
Conformance specification for HEVC**

*Technologies de l'information — Codage à haute efficacité et livraison  
des médias dans des environnements hétérogènes —*

*Partie 8: Spécification de conformité du codage vidéo à haute  
efficacité*





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## Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*, in collaboration with ITU-T. A technically aligned twin text is published as ITU-T H.265.1.

This second edition cancels and replaces the first edition (ISO/IEC ISO/IEC 23008-8:2015), which has been technically revised.

The main changes compared to the previous edition are as follows:

- addition of conformance testing for Multiview Main and 3D Main profiles;
- addition of conformance testing for Format Range Extensions profiles;
- addition of conformance testing for Scalable profiles.

A list of all parts in the ISO/IEC 23008 series can be found on the ISO website.

# Information technology — High efficiency coding and media delivery in heterogeneous environments —

## Part 8: Conformance specification for HEVC

### 1 Scope

This document specifies a set of tests and procedures designed to indicate whether encoders or decoders meet the normative requirements specified in Rec. ITU-T H.265 | ISO/IEC 23008-2.

NOTE The conformance bitstreams identified within the text are available at <http://standards.iso.org/iso-iec/23008/-8/ed-2/en>.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Rec. ITU-T H.265 | ISO/IEC 23008-2:2017, *Information technology — High efficiency video coding and media delivery in heterogeneous environment — Part 2: High Efficiency Video Coding*

Rec. ITU-T H.265.2 | ISO/IEC 23008-5, *Information technology — High efficiency video coding and media delivery in heterogeneous environment — Part 2: High Efficiency Video Coding Reference Software*